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(54) Title: **DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH GLYCOGEN SYNTHASE KINASE 3 BETA (GSK3B)**

(57) Abstract: The invention provides a human GSK3B which is associated with cardiovascular diseases, cancer, metabolic diseases, hematological diseases, inflammation, respiratory diseases, neurological diseases and urological diseases. The invention also provides assays for the identification of compounds useful in the treatment or prevention of cardiovascular diseases, cancer, metabolic diseases, hematological diseases, inflammation, respiratory diseases, neurological diseases and urological diseases. The invention also features compounds which bind to and/or activate or inhibit the activity of GSK3B as well as pharmaceutical compositions comprising such compounds.



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